

July 26, 2005

A.F.

**AMENDMENTS TO THE CLAIMS:**

**1. (Currently amended)** A method for constructing a recombinant adenovirus vector of about 38 kb comprising an adenovirus genome DNA of about 33-34 kb and an expression cassette of about 4-5 kb, which comprises:

(i) constructing a recombinant cosmid/adenovirus vector of about 45 kb by inserting a DNA sequence of about 7 kb and the expression cassette of about 4-5 kb into the adenovirus genome DNA at a deletion site of either an E1 region or an both E1 and E3 regions of the adenovirus genome DNA, wherein the DNA sequence of about 7 kb consists of a cosmid sequence having recombinase recognition sequences at both ends and outer sequences extended from outer sides of the recombinase recognition sequences, and at least one of the outer sequences has a cloning site for insertion of the expression cassette;

(ii) cotransfected the recombinant cosmid/adenovirus vector and a recombinase-expression vector into cells producing adenovirus E1 protein; and

(iii) deleting the cosmid vector sequence from the recombinant cosmid/adenovirus vector but retaining the outer sequences therein, to produce the recombinant adenovirus vector of about 38 kb comprising the adenovirus genome DNA of about 33-34 kb and the outer sequences into which the expression cassette of about 4-5 kb is inserted.

**2. (Original)** The method according to claim 1, wherein the recombinase is Cre recombinase and the recognition sequences thereof are loxP sequences.

**3. (Original)** The method according to claim 1, wherein the recombinase is FLP recombinase and the recognition sequences thereof are FRT sequences.

**4. (Previously presented)** The method according to claim 1, wherein the cells producing adenovirus E1 protein are a 293 cell line derived from human fetal kidney cells.